Solid-state conversions in alloys...

S/078/62/007/011/005/005 B101/B186

resistance and of its temperature coefficient. X-ray patterns for alloys of Cu₅Mn or Cu₃Mn type composition showed no superstructure lines.

There are 4 figures.

SUBMITTED: April 25, 1962

Card 2/2

S/078/62/007/012/021/022 B144/B180

AUTHORS:

Sokolovskaya, Ye. M., Grigor'yev, A. T., Altunin, Yu. F.

TITLE:

Solid-state transitions in iron - manganese alloys

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 12, 1962, 2809-2811

TEXT: The Fe - Mn system was investigated to discover whether there is formation of intermetallic compounds as observed in the Fe - Co and Fe - Ni systems. The studies included differential thermal and x-ray analyses, determinations of hardness, microhardness, microstructure, resistivity and its temperature coefficient, and temperature dependence. In the region of 25 - 55 at% Mn the differential curves showed two breaks at 700 - 800°C and at 150 - 250°C. These have not hitherto been described and are due to solid-state transitions. This was also evident from two maxima in the region of the solid /-solution, indicating the formation of the intermetallic compounds FeMn and Fe2Mn. The occurrence of FeMn with an Mn content of ~50 at% was confirmed by the hardness and resistivity, measurements etc. The exact nature of the low-temperature transition at Card 1/2

S/078/62/007/012/021/022 B144/B180

Solid-state transitions in iron - ...

 $\sim\!32$ at% Mn remains to be elucidated. It is possible that ${\rm Fe_2Mn}$ forms as well as FeMn. There are 5 figures.

SUBMITTED: April 26, 1962

Card 2/2

S/659/62/008/000/005/028 1048/1248

AUTHORS:

Grigor'yev, A.T., Sokolovskaya, Ye.M., Sokolova, I.G.,

and maksimova, M.V.

TITLE:

Polymorphous transformations in chromium, and structure

of the chromium-based solid solution in the system

chromium-iron-molybdenum

SOURCE:

Akademiya nauk SSSR. Institut metallurgii, Issledovaniya po zhatoprochnym splavam. v.8. 1962. 42-46

TEXT: An isoplet through the Cr-Mo-Fe system radiating from the Cr corner and representing a fixed 3:1 (st:wt) Fe:Mo ratio was constructed on the basis of microstructural and x-ray analysis data for 33 different alloys. The total Fe+Mo content of the alloys studied did not exceed 45%; the alloy specimens were prepared in a W-arc furnace in argon atmosphere using Ti as the getter, and tempered at 1400-1700°C before the tests. The solidus temperatures were 1750, 1715, 1640, 1620, and 1620°C for the alloys containing were 1750, 62, and 58% Cr respectively. Three homogenous regions 96, 86, 76, 62, and 58% Cr respectively.

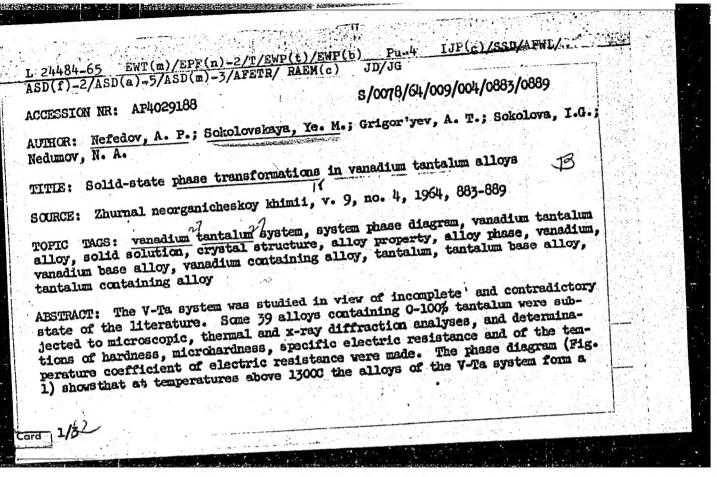
Card 1/2

S/659/62/008/000/005/028 T048/I248

Polymorphous transformations...

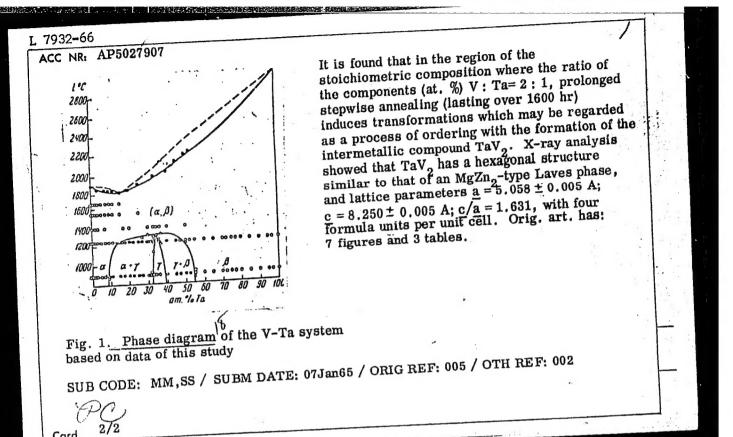
representing solid solutions based on the \mathcal{E} , δ , and γ modifications of Cr were found to exist, together with the $\mathcal{E}+\delta$ and $\gamma+\delta$ two-phase regions; the $\delta+\delta$ region is associated with the $\epsilon+\delta$ transformation at 1830°C, while the $\gamma+\delta$ is associated with the region beneath the solidus curve, while the γ phase occupies the region beneath the solidus curve, while the γ phase occupies the Cr-rich corner at temperatures below 1600°. An x-ray analysis of the 90% Cr alloy quenched from 1500°C showed that the ϵ -modification possesses a b.c.c. lattice with a=2.878 kx. There are 4 figures and 1 table.

Card 2/2



L 24484-65 AP4029188 ACCESSION NR: continuous series of solid solutions. At 1300 + 100 V₂Ta intermetallic compound is formed; at 9000 its area of homogeneity extends from 32-39 at Ta. At 9000 the two-phase area (alpha + V2Ta, V2Ta + beta) extends from 9-52 at; at 12500 this area is reduced to 15-45 at Ta. The curves of the composition dependence of hardness and specific electric resistance and its temperature coefficient show a smooth change within the regions of solid solutions and breaks at 34 at. Ta corresponding to the region of V2Ta. X-ray diffraction patterns show the alloy with 34 at. 7 Ta to consist of one crystalline phase having a tetragonal lattice, with parameters a = 5.041 A, c = 6.702, and z = 4. Orig. art. has: 5 figures. ASSOCIATION: none SUB CODE: MM, SS ENCL: O1 SUBMITTED: 18Jul63 OTHER: 006 NO REF SOV: CO4 Card 2/3

The state of the s	
T. 7932=35 EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/JG SOURCE CODE: UR/0189/65/000/005/0042/0047	0 1
SOURCE GODE: On Charhernikov, V. I.	
AUTHOR: Nefedov, A. P.; Sokolovskaya, Ye. M.; Grigor'yev, A. T.; Chechernikov, V. I.; Sokolovskaya, Ye. M.; Grigor'yev, A. T.; Chechernikov, V. I.; Sokolovskaya, Ye. M.; Grigor'yev, A. T.; Chechernikov, V. I.; Sokolovskaya, Ye. M.; Grigor'yev, A. T.; Chechernikov, V. I.;	21
Sokolova, I. G.; Guzey, L. S.	
44.37 44.37 44.37 Lin acquidarst vennyy universitet)	3
ORG: Moscow State University (Moskovskiy gosudarstvennyy universitet)	
have transformations in vanadium-tantatum	
TITLE: Solid-state phase transfer 1/6 SOURCE: Moscow, Universitet. Vestnik. Seriya II. Khimiya, no. 5, 1965, 42-47	
SOURCE: Moscow, Universitet. Vestnik. Seriya II. Islanday	D
SOURCE: Moscow, Universitet. Vestilit. Journal of the Source of the Sour	:
TOPIC TAGS: phase transition,	
ABSTRACT: The paper is devoted to the determination of the nature of the intermediate ABSTRACT: The paper is devoted to the determination of the nature of the intermediate	7
ABSTRACT: The paper is devoted to the determination of the nature of the later of t	
phase of Tave and boundary and function of composition and total Data were	
susceptibility was a start of fusion (solidus temperatures) he v-Ta system, and on the	
susceptibility was measured as a function susceptibility was measured as	
microstructure, hardness, and 323 diagram of the system (see Fig. 1).	
diagram of the system	
UDC: 536.7	
Card 1/2 Z	34
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EWT(m)/EWP(w)/EPF(n)-2/EWA(d)/T/EWP(t)/EWP(b)/EWA(c) L 58702-65 UR/0363/65/001/005/0715/0720 TJP(c) JD/JG 546.881 + 546.883 + 546.882 + 546.881 + 546.883 + AGCESSION NR: AP5016587 546.77.541.123.3 AUTHOR: Nefedov, A. P.; Sokolovskaya, Ye. M.; Grigor'yev, A. T.; Sikolova, I. G. TITLE: Phase diagram of the ternary systems V - Ta - Nb and V - Ta - Mo SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 5, 1965, TOPIC TAGS: tantalum alloy, vanadium alloy, niobium alloy, molybdenum alloy, tantalum compound, vanadium compound, phase diagram ABSTRACT: This study was carried out by means of microscopic analysis, hightemperature noncontact thermal analysis, hardness and microhardness measurements, x-ray analysis, and determination of the temperatures of the start of fusion.
In each ternary system, alloys were prepared in two sections: in a section with a constant content of 10 at. % Nb (or Mo) and in a radial section with a constant ratio (at. %) V:Ta = 2:1. A total of 68 alloys was prepared by fusion in an arc furnace in argon. Data obtained for the alloys in the cast, homogenized, and quenched state were used to plot phase diagrams for the two ternary systems. The components were found to form a continuous series of solid solutions which, as the temperature was lowered toward compositions adjoining the

L 58702-65

AP5016587

binary system V - Ta, underwent transormations due to the formation of an ordered phase based on the binary compound TaV2. X-ray analysis showed that in the V - Ta - Nb system the crystal lattice and cell constants of the ternary ordered phase are the same as those of the binary Laves phase TaV2: a = 5.058 A, c = 8.250 A, c/a = 1.631, z = 4. In the V - Ta - Mo system, the ordered phase, while retaining the crystal structure of TaV2, has slightly larger c and a constants. Thus, for the alloy with the radial section at 5 at. % Mo, a = 5.090 A c=8.322 A, c/a=1.635. Orig. art. has: 7 figures.

ASSOCIATION: Khimicheskiy fakul'tet, Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Chemistry Department, Moscow State University)

SUBMITTED: 28Jan65

ENCL: 00

SUB CODE: IC, 194

OTHER: 002

003 NO REF SOV:

CIA-RDP86-00513R001652120012-1" APPROVED FOR RELEASE: 08/25/2000

JD /JG EWT(m)/EWP(t)/EWP(b) IJP(c) UR/0126/65/020/002/0302/0303 L 1718-66 ACCESSION NR: AP5021943 539.292; 538 AUTHOR: Chechernikov, V. I.; Nefedov, A. P.; Sokolovskaya, Ye. H 44,55 TITLE: Magnetic properties of V-Ta alloys SOURCE: Fizika metallov i metallovedeniye, v. 20, no. 2, 1965, 302-303 TOPIC TAGS: magnetic susceptibility, vanadium containing alloy, tantalum containing alloy, homogenized alloy, electron system, sigma phase ABSTRACT: The authors present the results of an investigation of the temperature dependence of the magnetic susceptibility of V-Ta alloys made of 99.63% pure vanadium and 199.7% pure tantalum along with small percentages of Fe, Al, Si, S, N2, C, O2, Nb, Ti, W, and Mo. Physicochemical investigations of the annealed specimens (microstructural examination, determination of electrical resistivity, X-ray structural analysis) revealed that the homogenized alloys form monophase systems, while alloys subjected to additional annealing are two-phase. The magnetic susceptibility of the alloys was measured at temperatures of from 77 to 1100°K with the aid of a pendulum balance. It was found that at room temperature

Card 1/4

L 1718-66

ACCESSION NR: AP5021943

the susceptibility of the homogenized alloys varies smoothly throughout the range of concentrations. For pure vanadium it is maximal (4.10 g cm 3), and it decreases with increasing Ta content until, in the case of pure Ta, it drops to 0.95·10-6 g·cm-3. At different temperatures, throughout the entire temperature range investigated, for homogenized alloys, the temperature dependence of specific susceptibility 1/X is linear (Fig. 2). The slope of the curves, which is nearly independent of alloy composition, indicates a certain localization of d-electrons in the alloys investigated. The most interesting results were obtained for alloys containing 34 at. % Ta (curves 6, 7). Thus while the susceptibility of a specimen subjected to a single heat treatment operation varies markedly with temperature, the susceptibility of the compound TaV2 is nearly independent of T (curve 7). This indicates that, in this compound, the principal part of the d-electrons undergoes a considerable collectivization, forming together with s-electrons a common electron system. It is this electron system that largely determines the magnetic properties of the compound TaV2. It may be assumed that this compound is an O-phase, which, as is known, exists in many vanadium alloys and is by nature an electron compound. Furthermore, these findings confirm the phase diagram obtained by Nefedov et al. (Zhurnal neorg. khimii, 1964, 9, 4, 883). Orig. art. has: 2 figures.

ACCESSION NR: AP5021943

ASSOCIATION: Moskovskiy gosuniversitet im. N. V. Lomonosova (Moscow State University)

44,57

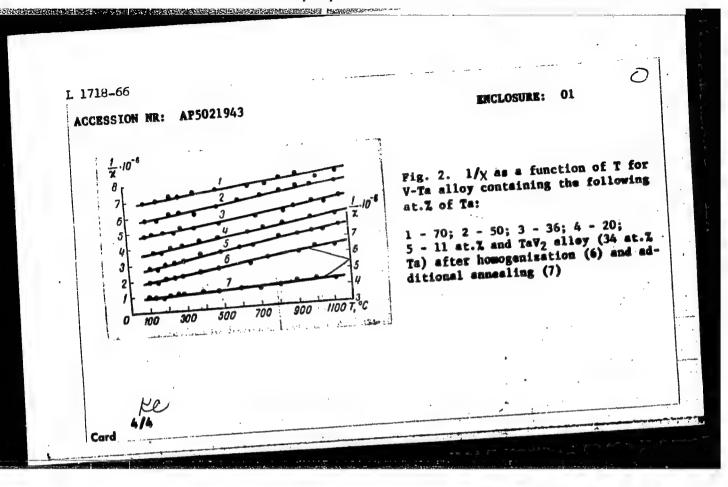
SUBMITTED: 03Aug64

ENCL: 01

SUB CODE: MM, EM

NO REF SOV: 001

OTHER: 000



GRIGOR'YEV, A.T.; SOKOLOVSKAYA, Ye.M.; NEFEDOV, A.P.; SOKOLOVA, I.G.

Effect of molybdemum on transformations in the solid state in alloys of the V - Ta system. Vest. Mosk. un. Ser. 2:Khim. 20 no.4:44-49 Jl-Ag *65.

1. Kafedra obshchey khimii Moskovskogo gosudarstvennogo uni-

NEFEDOV, A.P.; SOKOLOVSKAYA, Ye.M.; GRIGOR'YEV, A.T.; CHECHERNIKOV, V.I.; SOKOLOVA, I.G.; GUZEY, L.S.

Phase transitions in the solid state in alloys of vanadium with tantalum. Vest. Mosk. un. Ser. 2:Khim. 20 no. 5:42-47 S-0 '65. (MIRA 18:12)

1. Kafedra obshchey khimii Moskovskogo gosudarstvennogo universiteta. Submitted Jan. 7, 1965.

L h6328-66 = E/E(m)/f/E/P(t)/ETI = 1.	P(c) JD/JG	•	
ACC NR: AP6019776	SOURCE CODE:	UR/0370/66/000/003/0183/0192	
AUTHOR: Grigor'yev, A. T. (Moscow); (Moscow); Sokolova, I. G. (Moscow)	Sokolovskaya, Ye	M. (Moscow); Nefedov, A. P.	
ORG: none		B	
TITLE: Effect of niobium on solid-s	state transformati		
tantalum system		14 27	
SOURCE: AN SSSR. Izvestiya. Metally, no. 3, 1966, 183-192			
TOPIC TAGS: vanadium alloy, tantalu	m alloy, niobium	containing alloy, alloy phase	
ABSTRACT: In this paper, which continues their study of the V-Ta system, the authors attempted to determine the nature of the influence of niobium (which, like vanadium and tantalum, is an element of group V) on solid state transformations in alloys of this system, in the region of the metallic compound TaV2. Both annealed (ordered) and quenched (from 1000, 1150, 1250, and 1400°C) alloys were investigated by physicochemical techniques (microscopic and high-temperature contactless thermal analyses, hardness and microhardness measurements, determination of temperatures of starting			
fusion). On the basis of the data obtained, phase diagrams of the V-Ta-Nb system in a radial section with a constant ratio (at. %) V:Ta = 2:1 and in two polythermal sections (with 10 and 5 at. % Nb) were plotted, and the distribution of the phase			
regions was established in the terna			
Card 1/2	UDC: 669.017	.13	

ACC NR: AP6019776

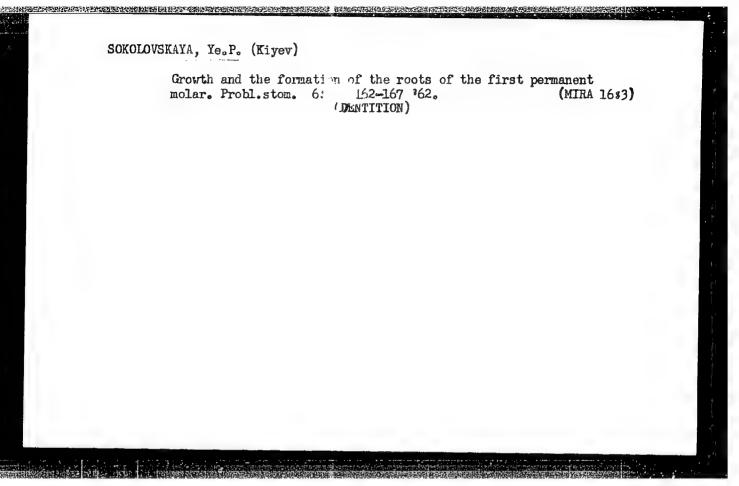
B 40025-00

x-ray data, the crystal structure and lattice constants of the ternary ordered phase do not differ from those of the metallic compound TaV_2 . Authors express their appreciation to L. S. Guzey for assistance in carrying out the thermal analysis. Orig. art. has: 5 figures and 3 tables.

SUB CODE: 11/ SUBM DATE: 16Sep64/ ORIG REF: 005/ OTH REF: 003

Card 2/2 ÎV

L 26449-66 EWT(m) UR/0363/66/002/003/0464/0466 SOURCE CODE: ACC NR: AP6017370 AUTHOR: Somenkov, V. A.; Petrunin, V. F.; Sokolovskaya, Ye. M.; Nefedov, A ORG: Institute of Atomic Energy im. I. V. Kurchatov (Institut atomnoy energii) TITIE: Structure of the TaV sub 2 phase SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 3, 1966, 464-466 TOPIC TAGS: neutron beam, neutron diffraction, tantalum alloy, vanadium alloy, iron compound, silicide ABSTRACT: The alloy TaV₂ was studied on a neutron difractometer using a monochromatic neutron beam (\(\lambda = 1.12A\)) obtained from a focusing iron silicide monochromator crystal. At 900°C the TaV₂ phase is of the Laves phase of the M_gCu₂ type with a =7.16A. On comparing neutronographic data with earlier conducted x-ray investigations the conclusion can be made that TaV2 has two polymorphic modifications; low-temperature MgCu2 type and high-temperature MgZn2 type. Orig. art. has: 1 figure and 1 table. [JPRS] ORIG REF: 006 / OTH REF: 003 SUB CODE: 11, 20 / SUBM DATE: 08Jul65 Card . 1/1



SOKOLOVSKAYA, Ye.P. (Kiyev)

Late results of treating chronic periodontitis of the permanent teeth with incomplete growth of the roots. Probl.stom. 6:180-185 '62. (MIRA 16:3)

(GUMS—DISEASES) (DENTITION)

SOKOLOVSKAYA, Z.N.

New methods in experimenting with coloring flame by salts.

Khim. v shkole 17 no.2:55 Mr-Ap '62. (MIRA 15:3)

1. Korablestroitel'nyy institut, g. Nikolayev. (Chemistry—Experiments)

GLEYZER, M., kand. med. nauk.; SOKOLOVSKAYA-BAKSHT, B.M. (Moskva)

"Obstetrics" by B. I. Bodiazhina, Reviewed by M. Gleizer, R.M.
SOKOLOVSKaia-Baksht, %el'd i akush 24 no.2:59 Fe '59 (MIRA 12:3)

(BODIAZHINA, B.I.)

GLEYZER, M.; SOKOLOVSKAYA-BAKSHT, R. (Moskva)

Mathod of teaching psychoprophylactic preparation of parturients for labor in medical schools. Fel'd. i akush. 24 no.9:52-55 S '59. (MERA 12:12)

(MEDICINE-STUDY AND TEACHING) (CHILDBIRTH--PSTCHOLOGY)

SOKGLOVSKI, Borivoje, sanitetski kapetan I klase, dr.

Detection of bacteriophage in water and estimation of its titer by the 2-layer agar method. Vojnosanit. pregl. 20 no.7.423.426 Ji 363.

1, Higijensko-spidemioloski odred u Skoplju.
(WATER MICROBIOLOGY) (BACTERIOPHAGE)
(AGAR) (MICROBIOLOGY)

C

ARSIC, Bogoljub, sanitetski pukovnik docent dr.; MEL, David, sanitetski pukovnik dr.; RADOVANOVIC, Miroslav, sanitetski kapetan dr.; NIKOLIC, Bozidar, sanitetski potpukovnik dr.; ZISOVSKI, Angel, sanitetski potpukovnik dr.; SOKOLOVSKI, Borivoje, sanitetski kapetan I klase dr.; DORDEVIC, Dusan, sanitetski major dr.; STANKOVIC, Nikola, visi zdravstveni tehnicar; MANOJLOVIC, Borislav, sanitetski kapetan I klase; MIJUSKOVIC, Punisa, sanitetski kapetan I klase dr.

Treatment of dysentery with various doses of terramycin. Vojnosanit. pregl. 22 no.6:388-393 Je 165.

l. Vojnomedicinska akademija u Beogradu, Higijenski zavod, Epidemioloski institut; Higijensko-epidemioloski odred Skoplje; Armijska bolnica u Skoplju, Zarazno odeljenje; Vojnomedicinska akademija u Beograku, Klinika za zarazne bolesti.

ARSIC, Bogoljub, sanitetski pukevnik dos. dr.; ZISOVSKI, Angel, sanitetski potpukovnik dr.; MIJUSKO'/IC, Punisa, sanitetski kapetan I klase dr.; RADOVANOVIC, Miroslav, sanitetski kapetan dr.; NIKOLIC, Bozidar, sanitetski potpukovnik dr.; SOKOLDVSKI, Borivoje, sanitetski kapetan I klase dr.; DORDEVIC, Dusan, sanitetski major dr.; MEL, David, sanitetski pukovnik dr.; JOKOVIC, Bozidar, sanitetski kapetan dr.; MILUTINOVIC, Milan, kapetan dr.

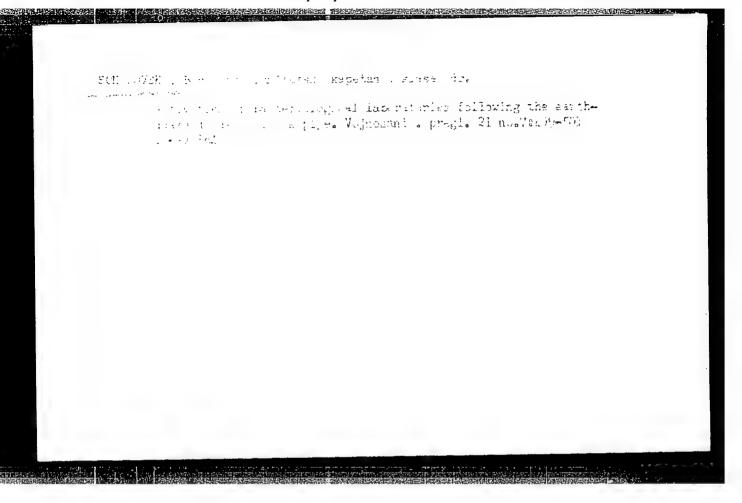
Clinical picture of acute bacillary dysentery in soldiers of the Yugoslav National Army. Vojnosanit. pregl. 22 no.6:394-397 Je '65.

l. Zarazno odeljenje, Higijensko-epidemioloski odred u Skoplju, Vojnomedicinska akademija u Beogradu, Klinika za zarazne bolesti.

ARSIC, Bogoljub, sanitetski pukovnik, dr.; DORDEVIC, Dusan, sanitetski major, dr.; KARANFILOV, Sotir, sanitetski pukovnik, dr.; MILADINOVIC, Toma, sanitetski kapetan, dr.; SCKOLOVSKI, Bora, sanitetski kapetan I klase, dr.; ZISOVSKI, Angel, sanitetski potpukovnik, dr.; PAVLOVIC, Miedrag, tehnicki saradnik, sanitetski kapetan I klase.

Treatment and prevention of acute bacillary dysentery with a single dose of oxytetracycline. Vojnosanit. pregl. 21 no.4: 223-228 Ap '64.

1. Vojnomedicinska akademija u Beogradu; Epidemioloski institut HZ; Higijensko-epidemioloski odred u Skoplju; Armijska bolnica u Skoplju, Zarazno odeljenje.



PREDANIC, Edo; VLATKOVIC, Vida; SOKOLOVSKI, Borivoje.

Salmonella typhimurium (breslau) as a pathogenic factor in multiple lung abscesses. Srpski arh. celok. lek. 91 no.10: 939-946 0.63.

l. Hirursko odeljenje u HEO Vojne bolnice u Skoplju. Nacelnik: san.puk. dr. Edo Predanic.

5

CONOUGHN, lurier, y cantlebekt kapatan i klase, dr.

dr. condenie of dysentery caused by Shigoria sonnei. Vojnosanit progra di nc.1:191-193 Mr 164.

l. Sigijenisko-spidemioloski odred u Skoplju.

LINKUN, N.; SOKOLOVSKIY, A.

Coordination of economic research. Vop.ekon. no.42152-156 Ap '63.
(MIRA 16:4)

(Economic research)

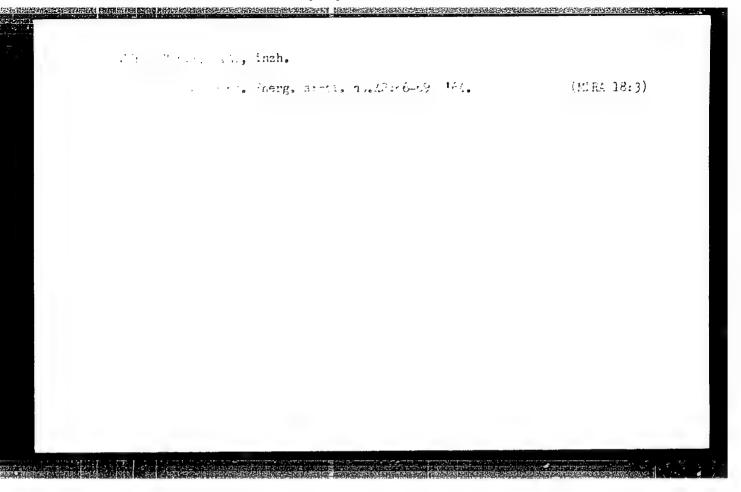
SOKOLOVSKIY, A.

"Mineral water" store. Sov. torg. 36 no.2:21-22 F *163. (MIRA 16:4)

1. Glavnyy inshener proyekta instituta "Volgogradproyekt".

(Volgograd—Stores, Retail)

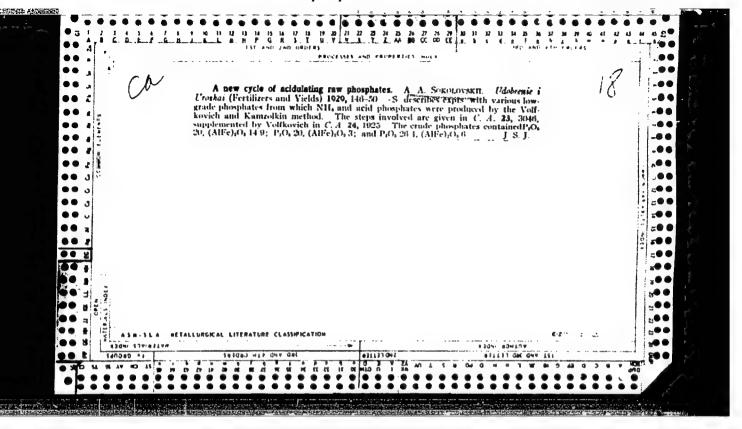
(Mineral waters)

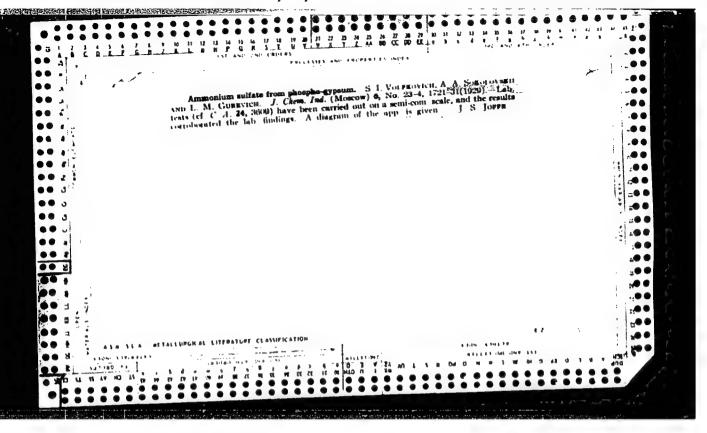


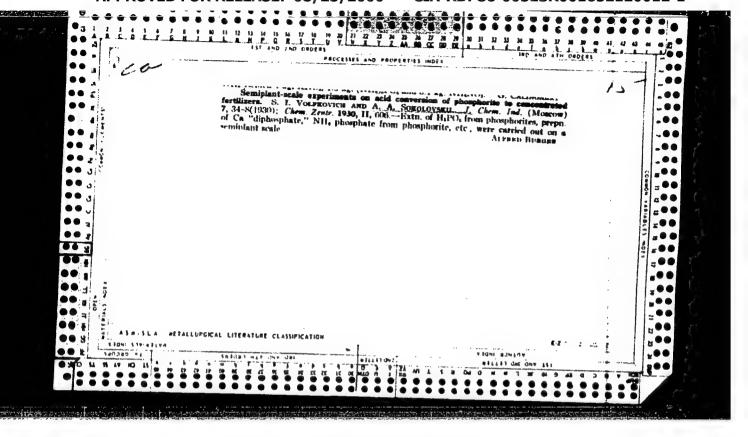
Operation of the RT continuous diffuser at the Turbov Sugar Factory. Sakh.prom. 34 no.2:40-43 F '60.

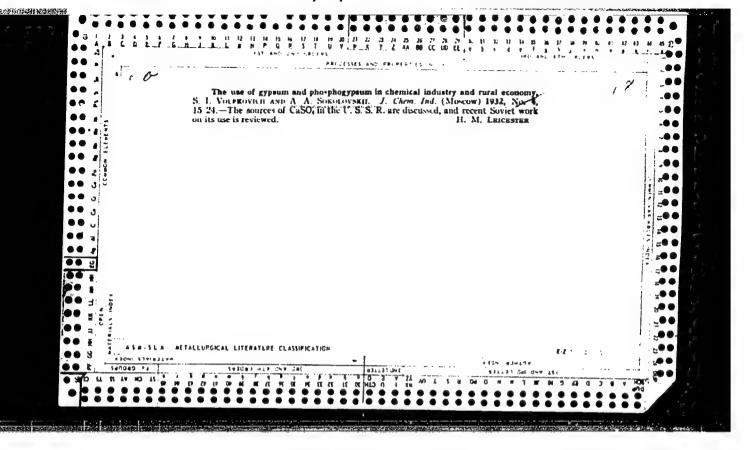
(MIRA 13:5)

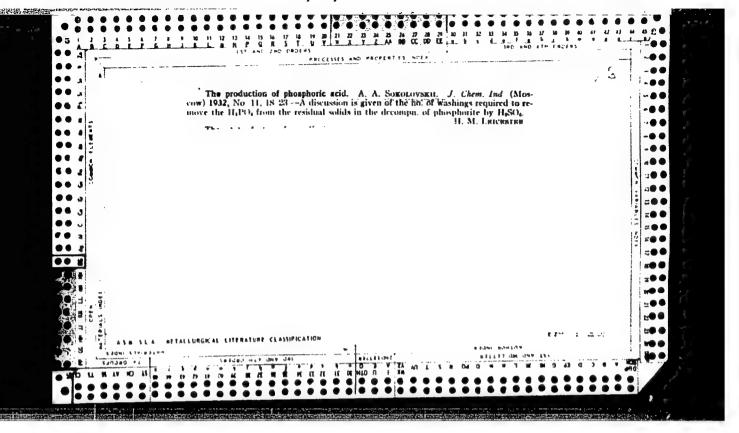
1. Vinnitskiy sakhsveklotrest.
(Turbov--Sugar machinery) (Diffusers)

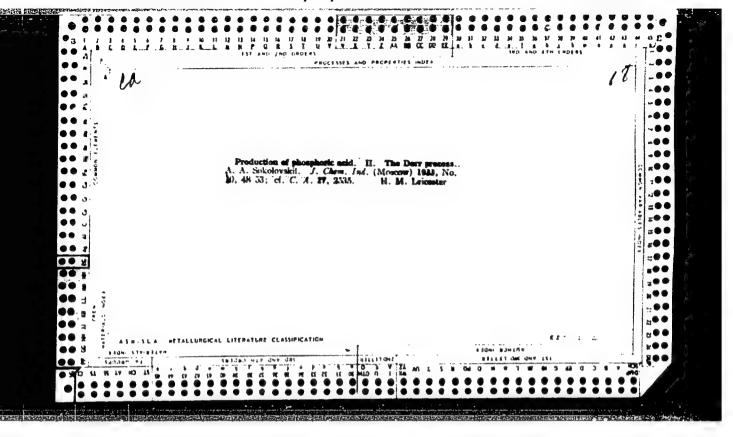


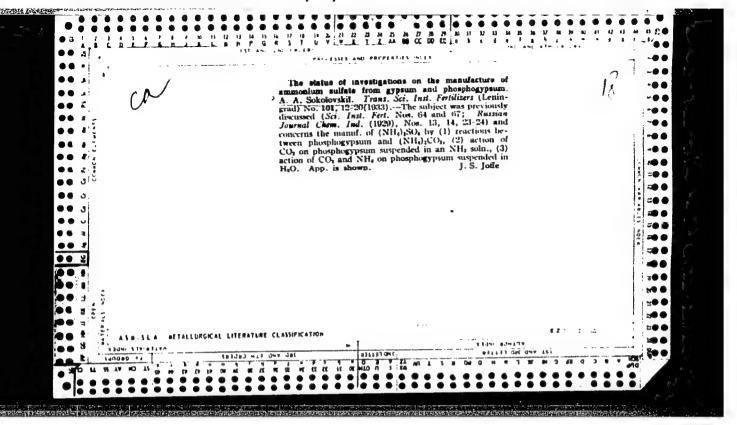


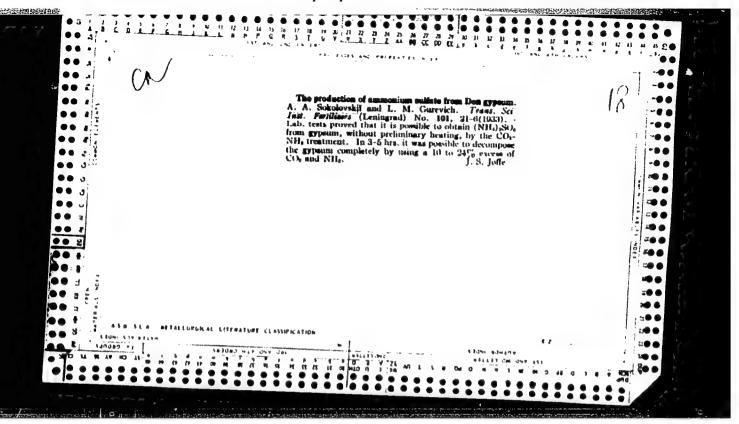


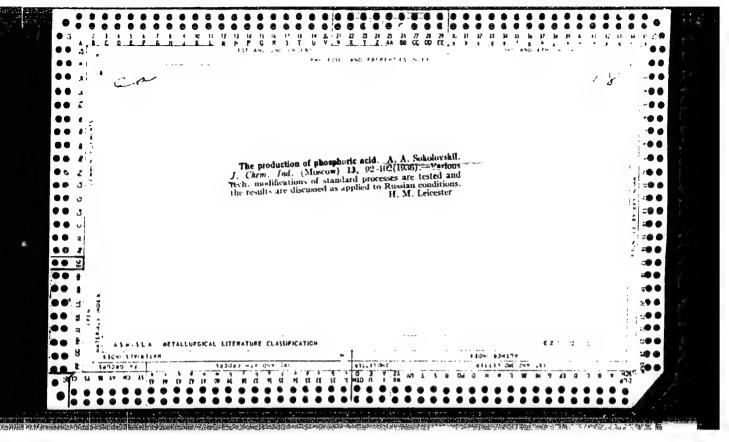


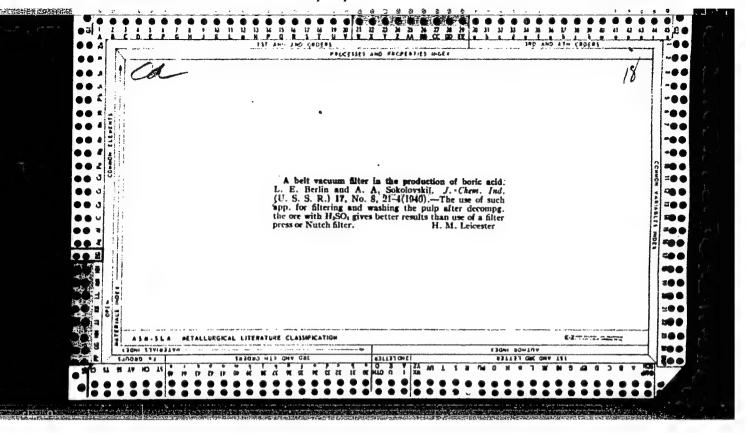


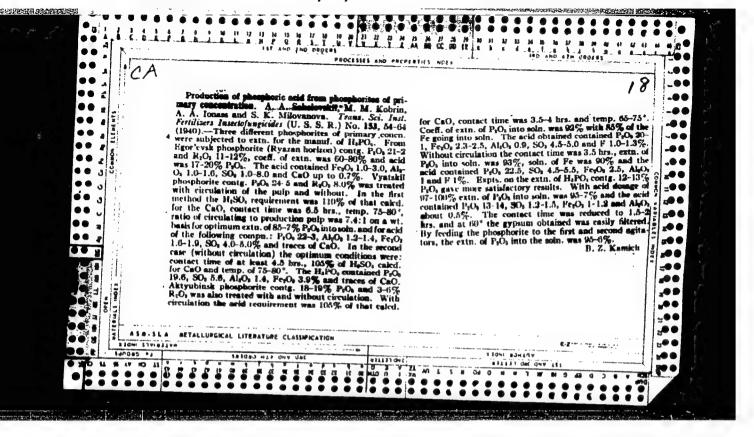


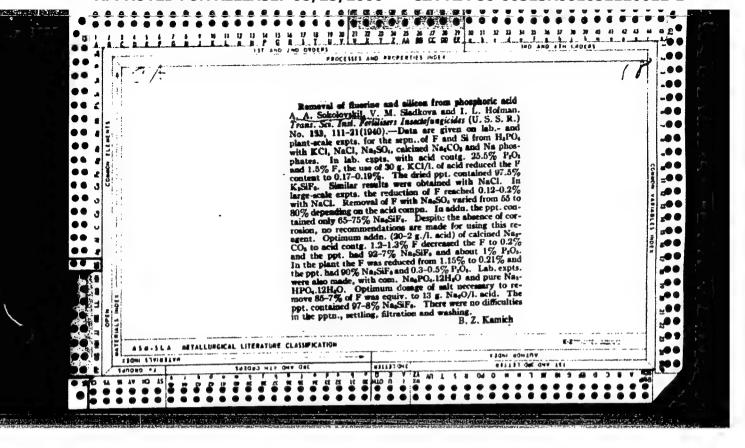








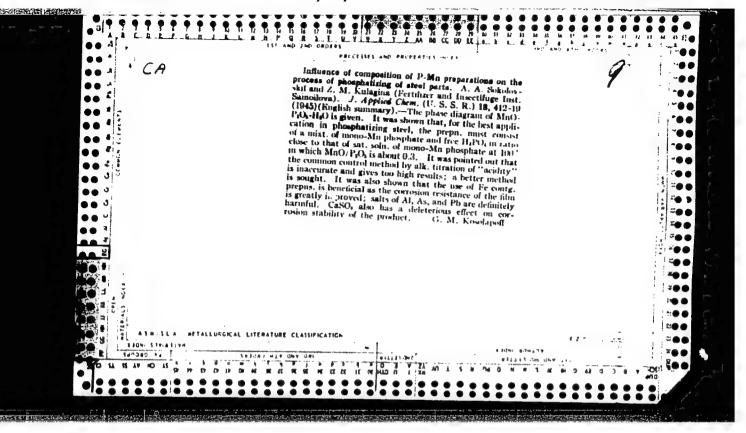


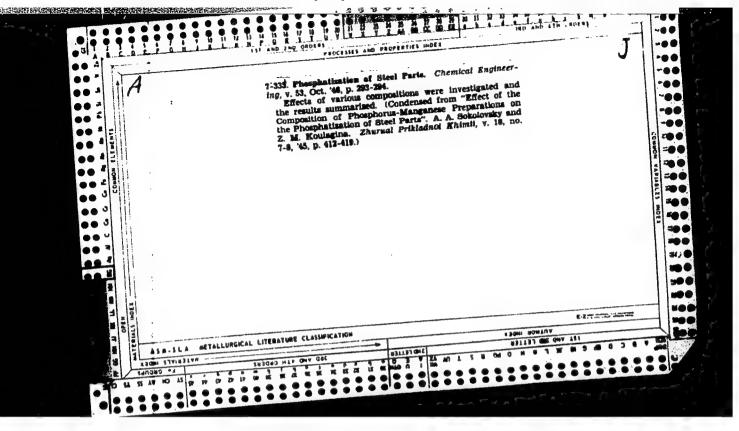


SOKOLOVSKIY, A. A.

"Production of Dicalcium Phosphate by Hydrochloric Acid Decomposition of Phosphates," S. I. Vol'fkovich, A. Loginova, and A. A. Sokolovskiy, Khimicheskaya Prom 1945, No 3, pp 1-7 (SEE: Inst. Insect/Fungi. in Ya. V. Samoylov)

SO: U-237/49, 8 April 1949





52K31315K, y 4.A.

.USSR/Thermodynamics - Thermochemistry. Equilibria.

Physical-Chemical Analysis. Phase Transitions.

B-8

Abs Jour

: Referat Zhur - Khimiya, No 6, 1957, 18488

Author

A.A. Sokolovskiy

Title

Improvements of Graphical Computations with Graphs of

Solubility of Quaternary Systems.

Orig Pub

: Zh. prikl. khimii, 1956, 29, No 5, 743-750

Abstract

The method of "secondary projectons" is proposed for simple quaternary systems. This method is based on a simultaneous combination on a co-ordinate plane of orthogonal and central projections of graphs of quaternary systems constructed on rectangular co-ordinates, the corposition of the system being expressed in per cent by weight. With a view to unify the methods of presentation of the solubility graphs, it is proposed to plot the isoterms of four component reciprocal systems as two rectangular pyramids (irregular tetrahedrons), the

Card 1/2

- 169 -

bases of which are acute angled triangles and the side faces of which are rectangular triangles with legs of erbitrary length. Each pyramid is orientated thus that

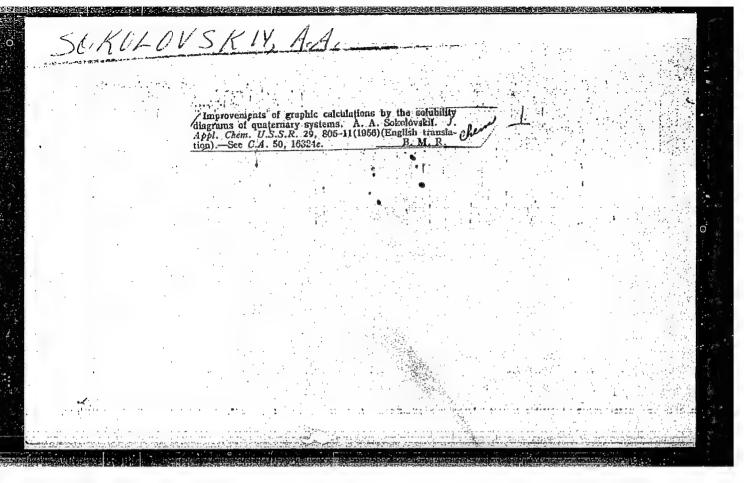
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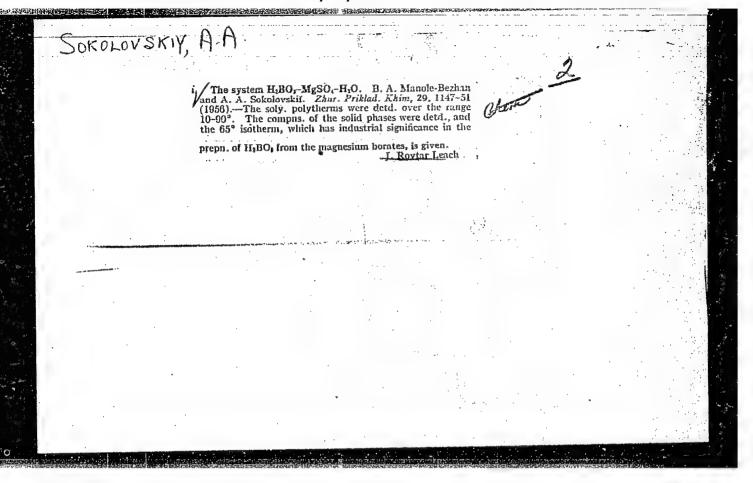
one of the faces of co-ordinates intersecting at right

ang es.

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Card 2/2





SOKOLOVSKIY, A.A.: KUZNETSOVA, T.I.: PAVLOVA, K.L.

ودران وأشد الالهامة التعامل المعامل المعامل

Obtaining high-quality potash from waste soda-potash solutions from production of alumina. Khim.nauka i prom. 2 no.4:533-534 '57. (MIRA 10:11)

1. Gosudaratvennyy nauchno-issledovatel'skiy institut khimicheskoy promyshlennosti.

(Potash) (Alumina)

CHEPELEVETSKIY, Mark Leybovich, prof.; BRUTSKUS, Yelena Borisovna;
SUKOLOVSKIY, A.A., red.; LUR'E, M.S., tekhn.red.

[Superphosphate; physicochemical production principles]
Superfosfat; fiziko-khimicheskie osnovy proizvodstva. Moskva,
Gos.nauchno-tekhn.izd-vo khim. lit-ry. 1958. 272 p. (MIRA 12:2)

(Phosphates)

SOKOLOVSKIY, A.A.

Classifying equilibrium solubility diagrame. Izv.vys.ucheb.zav.;
khim.i khim.tekh. 2 no.6:865-870 '59. (MIRA 13:4)

1. Vsesoyuznyy zaochnyy politkehnicheskiy institut. Kafedra tekhnologii neorganicheskikh veshchestv i obshchey khimicheskoy tekhnologii.

(Solubility) (Systems (Chemistry))

POZIN, Maks Yefimovich. Prinimali uchastiye: ARSEN'YEVA, L Z.; KAGANOVICH, Yu.Ya.; KLEBANOV, G.S.; KLEVKE, V.A.; KOPYLEV, B.A.; SOKOLOVSKIY, A.A.; MAKOVETSKIY, L.A., red.; GRIVA, Z.I., red.; ERLIKH, Ye.Ya., tekhn. red.

[Technology of mineral salts; fertilizers, pesticides, industrial salts, oxides and acids] Tekhnologiia mineral'nykh solei; udobrenii, pestitsidov, promyshlennykh solei, okislov i kislot. 2., izd. perer. i dop. pri uchastii: L.Z.Arsen'evoi i dr. Leningrad, Gos. nauchnotekhn. izd-vo khim. lit-ry, 1961. 1008 p. (MIRA 14:10) (Fertilizers and manures) (Salts)

SOKOLOVSKIY, A.A.

Equilibrium in the system CaO - P2O₅ - H₂O. Izv.vys.ucheb.zav.;khim.i khim.tekh. 6 no.1:91-97 '63. (MIRA 16:6)

1. Moskovskiy inzhenerno-ekonomicheskiy institut imeni S. Ordzhonikidze, kafedra khimicheskoy tekhnologii.

(Phosphoric acid) (Calcium oxides)

(Phase rule and equilibrium)

SOKOLOVSKIY, A.A.

Cyclic process of apatite decomposition by phosphoric acid.

Izv. vys. ucheb. zav.; khim. i khim.tekh. 6 no.3:445-448 '63.

(MIRA 16:8)

1. Moskovskiy inzhenerno-ekonomicheskiy institut imeni
S. Ordzhonikidze, kafedra khimicheskoy tekhnologii.

(Apatite) (Phosphoric acid)

GRIDUNOV, I.T.; PRYAKHINA, S.F.; SOKOLOVSKIY, A.A.

Effect of deformation conditions on the dynamic stability of nairit rubbers. Izv.vys.ucheb.zav.;khim.i khim.tekh. 6 no.5: 851-855 '63. (MIRA 16:12)

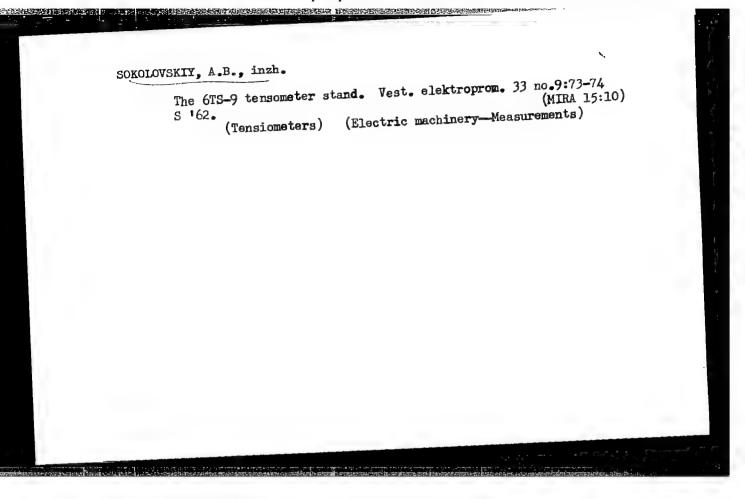
l. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova, kafedra tekhnologii reziny.

GRIDUNOV, I.T.; STRIZHENOV, S.I.; PRYAKHINA, S.F.; SOKOLOVSKIY, A.A.

Device for repeated extension of rubbers. Zav.lab. 29 no.12:1505 (MIRA 17:1)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii.

Engine of the solutions and crystallization of the melte of ammonium nitrate in a fluidized bed. Khim. prom. 41 no.8; 594-596 Ag '65. (MIPA 18:9)



SOKOLOVSKIY, A.F.

Problems of the economic effectiveness of capital investments in the industry of the U.S.S.R. (conference in the Institute of Economics of the Academy of Sciences of the U.S.S.R.). Vest.AN SSSR 23 no.6:95-102 Je '53. (MLRA 6:7) (Russia--Industries)

DMITRIYEV, Mikhail Vasil'yevich; SOKOLOVSKIY, Aleksandr Fedorovich; LYSYY, A.Ya., redaktor; KIRSANOVA, N.A., tekhnicheskiy redaktor.

[Ways to lower the cost of industrial production] Puti snizheniia sebestoimosti promyshlennoi produktsii. Moskva, Izdvo VTsSPS Profizdat, 1955. 68 p. (MLRA 9:5) (Costs, Industrial)

USSR/Miscellaneous - Bookkeeping

Card 1/1

Pub. 124 - 32/39

Authors

Sokolovskiy, A. F.

Title

Scientific bases of bookkeeping (Accounting)

Periodical

Vest. AN SSSR 26/2, 129-131, Feb 1956

Abstract

Minutes are presented from the conference held at the Inst. of Economics of the Acad. of Sc., USSR (Nov. 29, 1955) where scientific bases for

proper bookkeeping were explained.

Institution:

Submitted

CINCLOVANIE H ...

AUTHOR:

SOKOLOVSKI, A.F., JEVSTIGNYEYEV, V.P.

PA - 2636

TITLE:

The Study of the Working Efficiency in Political Economy.in the USSR. (Izuchenie proizvodityelnosti truda v narodnom khozyaystvye SSSR.

Russian)

PERIODICAL:

Vestnik Akademii Nauk SSSR, 1957, Vol 27, Nr 3, pp 131-134

(U.S.S.R.)

Received: 6 / 1957

Reviewed: 7 / 1957

ABSTRACT:

At the Conference (December 1956) problems of statistical methodology were discussed. A precise assessment of working efficiency is one of the fundamental tasks of calculation and statistics in the political economy of the USSR. Various suggestions were made in the course of lectures. For example, in many branches the level of working efficiency could be calculated on the basis of natural exponents. For the time being it would, however, already be necessary to establish this level for political economy as a whole. Also the importance of the drafting of a united methodology of the

comparison of the level of working efficiency in the USSR. and in

capitalistic countries was underlined.

It was further stated that working efficiency is in close connection with costs and can thus be calculated on the basis of cost reduction. Further, the necessity was underlined of quickly

Card 1/2

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Scholing Fix, a +

Sokolovskiy, A. F.

30-9-46/48

AUTHOR:

TITLE:

The Law of the Production Cost and its Application in the National Economy of the USSR (Zakon stoimosti i

yego ispol'zovaniye v narodnom khozyaystve SSSR).

PERIODICAL: Vestnik AN SSSR, 1957, Vol. 27, Nr 9, pp. 137-143 (USSR)

ABSTRACT:

The Moscow Institute of Economics of the AS USSR consultative meeting (May 20-27) which dealt with the abovementioned topic. Ostrovityanov talked on "The production of goods and its peculiarities in the socialist state", where he emphasized that in a transition-period in the stage of relative socialism the character of property, due to the mutual relations between commodity and money, is subject to changes. Then he analyzed the slow but steady transitionprocess (private property - state property - collective property). Manufacturing and exchange of goods in the socialist state comprises the entire mass of consumptiongoods which are either produced by the "state" (its enterprises) or by collectives (owned by a group of workers). Then he outlined the specific economic forms of the mutual relations between state and collective enterprise (the

Card 1/2

The Law of the Production Cost and its Application in the 30-9-46/48 National Economy of the USSR

cooperative enterprises of agriculture). The speaker criticized the so-called calculative conception of distribution (according to which the prices are evaluated according to the variety of work and of the principle of the division of labor). A number of other speakers treated different special problems of agriculture.

AVAILABLE: Library of Congress.

Card 2/2

SOKOLOVSKIY, Aleksandr Fedorevich; YEVSTIGNEYEV, Viktor Pavlovich; KOMAROVA, T.F., red.; RAKITIN, I.T., tekhm. red.

[Production quality] Kachestvo produktsii. Moskva, Izd-vo "Znanie,"
1961. 46 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.3, Ekonomika, no.14) (MIRA 14:7)
(Quality control)

SOKOLOVSKIY, A.F., kand. ekonom. nauk

Improving the performance characteristics of industrial enterprises;

Improving the performance characteristics of industrial enterprises;

Scientific session in Moscow. Vest. AN SSSE 35 no.2:124-126 P 165.

(MIRA 18:3)

SOKOLOVSKIY, A. I.

302/14

Ogranizatsiva sistyemy vyoshikh rastyeniy Botanichyeskogo sada Akadyemii nauk USSR. Byullyetyen, Glav. botan, sada, vyp. 3, 1949, s. 46-51

SO: LETOPIS' NO. 34

SOKOLOVSKIY, A.I.

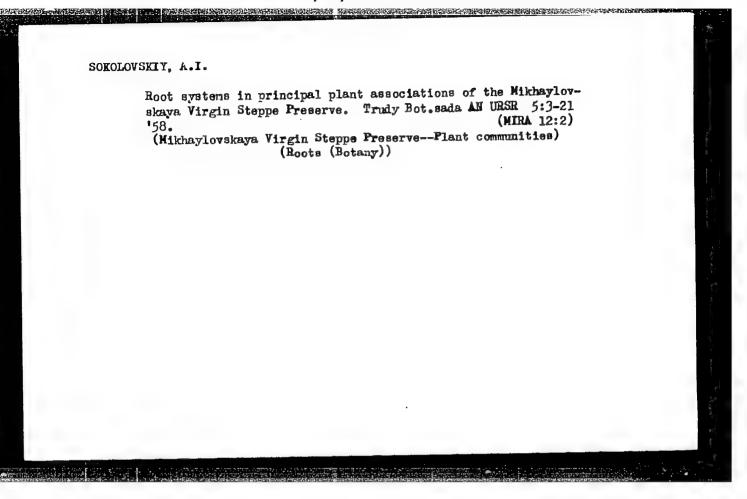
Research on the root systems of plant associations in meadows of central bottom lands of the middle Dnieper. Bot.zhur.[Ukr.] 11 no.1:14-31 '54. (MIRA 8:7)

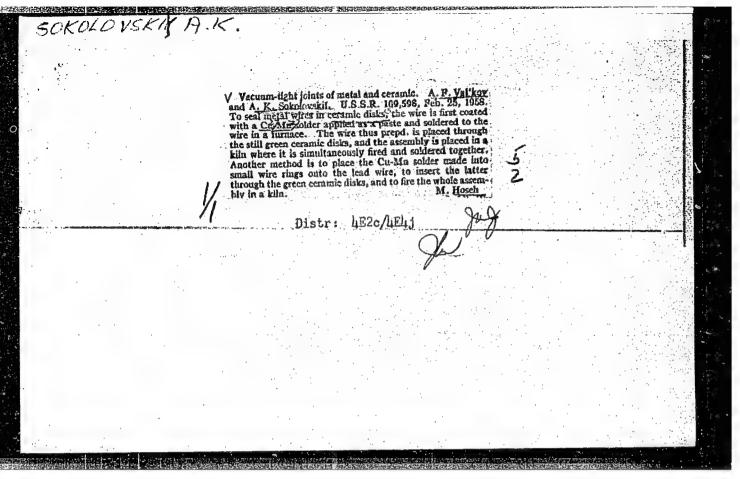
1. Botanichniy sad AN URSR. (Dnieper Valley--Pastures and meadows) (Roots (Botany))

SOKOLOVSKIY, A.I.

Establishing the "Cretaceous (mountain) pine forest" section in the Botanical Garden of the Academy of Sciences of the Ukrainian

S.S.R. Trudy Bot. sada AN URSR 4:58-69 '57. (MLRA 10:8)
(Ukraine--Pine) (Paleobotany) (Forest ecology)





SCACLEL SKIY, A.L.

137-58-5-10155

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 181 (USSR)

Avdeyeva, A.V., Sokolovskiy, A.L., Tsyganova, P.A. AUTHORS:

An Investigation of the Corrosion Resistance of Metals in the Confectionery Industry (Issledovaniye korrozionnoy stoykosti TITLE:

metallov v konditerskom proizvodstve)

Tr. Mosk. tekhnol. in-t pishch. prom-sti, 1957, Nr 10, PERIODICAL: pp 96-103

A study is made of the corrosion resistance of Zh-17-T, Ya-1-T, and St 3 steels and of Al and Cu, at 120°C, in the fol-ABSTRACT: lowing aggressive mediums: 1) sugar syrup with 1% added lactic and 1% added citric acid, pH 2.87; 2) invert syrup, pH 3.14; 3) caramel syrup on molasses base, pH 6.22 and 2.8; 4) caramel syrup on invert sugar base, pH 6.14 and 2.12. Zh-17-T steel proved fully resistant to all these mediums. Ya-1-T steel was less stable. St 3 steel was totally unstable. Al starts to corrode in acid caramel syrup. Cu corrodes in acidified syrups. Shop tests showed that steels Zh-17-T and Ya-1-T are completely stable in a medium of caramel crumbs and caramel syrup and are suited for the fabrication of cooking tanks. Studies Card 1/2

137-58-5-10155

An Investigation of the (con-.)

are made of the corrosion strength of metals in caramel mass with 1% lactic and 1% citric acids added (at 145°C), in caramel fillings (1 part apple puree plus 1 part sugar at 95°) and in reboiled preparations of apples, apricots, and alycha [a member of the damson plum family; Transl. Ed. Note] (at 120°). Zh-17-T steel and Al are completely stable in caramel mass. Ya-1-T and Cu become corroded. St 3 steel is completely unstable.

T.A.

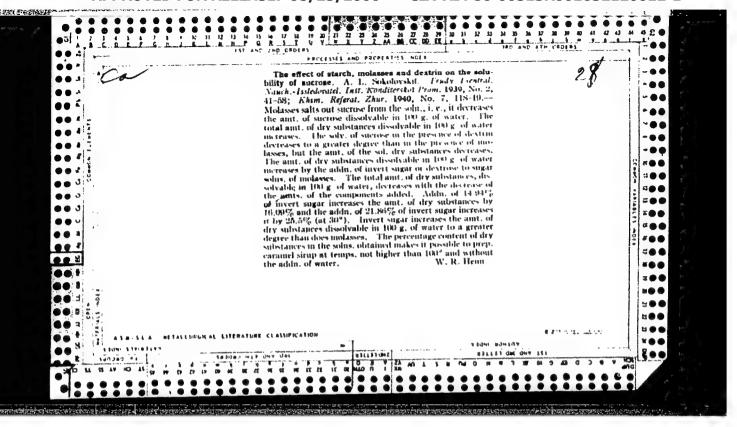
1. Metals--Corrosion 2. Industrial plants--Equipment

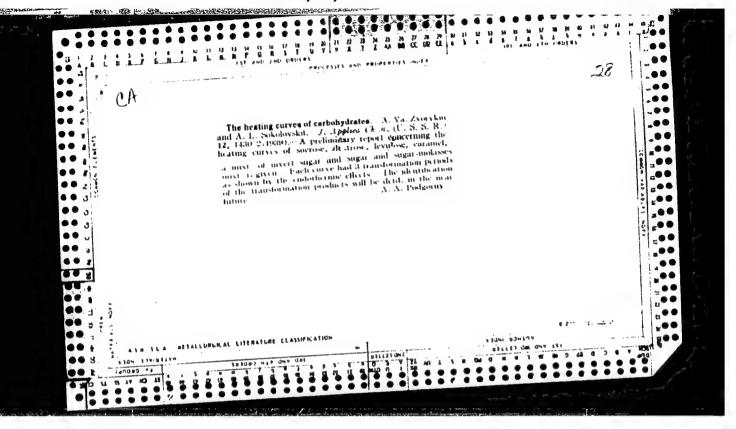
Card 2/2

SOKOLOVSKIY, A.L., gornyy inzhener; DAVYDOVA, Ye.A., gornyy inzh.

Creater attention to the expansion of open-cut mines in the Kuznetsk
Basin. Ugol' 33 no.10:17-20 0 '58. (MIRA 11:11)

(Kuznetsk Basin--Strip mining)





RAPOPORT, A.L., professor, redaktor; SOKOLOVSKIY, A.L., professor, redaktor;

KAIMENS, R.I., redaktor; KISINA, Ye.I., tekhnicheskiy redaktor

[Technology of confection production] T-Laclogiia konditerskogo proizvodatva. Moskva, Pishchepromizdat. Pt.2. 1952. 417 p.

(Gonfectionery)

(MIRA 10:1)

MARTYNOV, M.I., direktor: SOKOLOVSKIY, A.L., zamestitel' direktora instituta.

Production line of candies. Nauka i zhizn' 20 no.11:13-16 N '53.

(MLRA 6:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kenditorskoy promyshlennosti. (Confectionery)

SOKOLOVSKIT, A.L., professor; SMOLYANITSKIY, M.Ye., nauchnyy sotrudnik; AUNINA, O.Y., nauchnyy sotrudnik; SHKJOVKATA, A.Ye., nauchnyy sotrudnik; GRWYSKR, R.Ya., nauchnyy sotrudnik.

Continuous mechanized production of caramel. Trudy VKNII no.9:3-48

(*54.

(*Confectionery) (Pastry)

SOKOLOVSKIY, A.L. MARTYNOV, M.I., kandidat tekhnicheskikh nauk, redaktor; SOKOLOVSKIY, A.L., professor, redaktor. Production of caramel and pastry by the continuous mechanized method. Trudy VKNII no.9:3-183 '54. (Confectionery) (Pastry)

SOKOLOVSKIY, A.L.; NIKIYOROVA, V.N.

Effect of various compositions of sirup carbohydrates on the stability of caramel, Khleb. i kond. prom. 1 no.3:12-15 Mr '57.

(MIRA 10:4)

1. Vsesoyuznyy konditerskiy nauchno-issledovatel skiy institut.
(Carbohydrates)

NIKIFOROVA, V.N.; SOKOLOVSKIY, A.L.

**Mffect of products resulting from the breaking down of sugars on the properties of caramel, Ref. nauch. rab. VKNII no.1:36-39 '57.

(Caramel)

Sexuloustia, Ad.

137-1957-12-24542

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 228 (USSR)

Avdeyeva, A. V., Sokolovskiy, A. L., Tsyganova, P. A. AUTHORS:

Corrosion Resistance of Metals in Sugar and Caramel Syrups (Korrozionnaya stoykost' metallov v sakharnykh i karamel'nykh TITLE:

siropakh)

PERIODICAL: Khlebopek. i konditersk. prom-st', 1957, Nr 4, pp 12-14

Some results of corrosion experiments conducted on various metals in the preparation of caramel under both laboratory and ABSTRACT: industrial conditions. The degree of corrosion was determined by the weight method. Sugar (pH 2.87; 3.14) and caramel (pH 6.22; 6.14; 2.81; 2.12) syrups were investigated as the corroding media. Tests in the plant apparatus have demonstrated that steel 3 is unsuitable either for syrup made of crumbs or for caramel syrup. Cu is unsuitable for syrup made of crumbs, whereas Cr and Cr-Ni steels are corrosion resistant in the

media mentioned.

Card 1/1

2. Sugar syrup-Corrosive Caramel syrup-Corrosive effects 3. Metals-Corrosion-Test results

KUZNETSOVA, L.S.; SOKOLOVSKIY, A.L.

Studying the processes of the jelling of fruit candy. Khleb.i kond. (MLRA 10:8) prom. 1 no.6:7-10 Je '57.

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.
(Confectionery)

SMOLYANITSKIY, M.Ye.; SOKOLOVSKIY, A.L.

Development and operation of continuous caramel production lines. Khleb.i kond.prom. 1 no.7:14-18 J1 '57. (MLRA 10:7)

1. Vsesoyuznyy konditerskiy nauchno-issledovatel'skiy institut.
(Caramel) (Confectionery--Equipment and supplies)

MARTYNOV, M.I.; SOKOLOVSKIY, A.L.

Twenty-fifth anniversary of the All-Union Scientific Research
Institute of the Confectionery Industry. Khleb. i kond. prou.
1 no.12:1-4 D '57.

1. Vsesoyuznyy nauchno-issledovatel*skiy institut konditerskoy
promyehlennosti.

(Confectionery)

KUZNETSOVA, L.S., kand, tekhn, nauk; SOKOLOVSKIY, A.L., prof., doktor tekhn, nauk.

Structural and mechanical properties of chocolate products. Trudy MTIPP (MIRA 10:12)

157. (Chocolate)

SOKOLOVSKIY, A.L., prof., doktor tekhn. nauk; KUZNETSOVA, L.S., kand. tekhn. nauk; PUKHOVSKAYA, Ye.I., starshiy prepodavatel!

Using sedimentation analysis in the control of chocolate production.

Trudy MTIPP no.10:50-58 '57.

(Sedimentation analysis) (Chocolate)

(Sedimentation analysis)

SOKOLOVSKIY, A.L., prof., doktor tekhn. nauk; KUZNETSOVA, L.S., kand. tekhn. nauk.

Processes of jelling in fruit candy masses. Trudy MTIPP no.10:79-95 157.

(Confectionery)

(Confectionery)

AVDEYEVA, A.V., prof., doktor tekhn. nauk; SOKOLOVSKIY, A.L., prof., doktor tekhn. nauk; TSYGANOVA, P.A., assistent.

Investigating corrosion resistance of metals in confectionery production.

Trudy MTIPP no.10:96-103 '57. (MIRA 10:12)

(Confectionery) (Corrosion and anticorrosives)

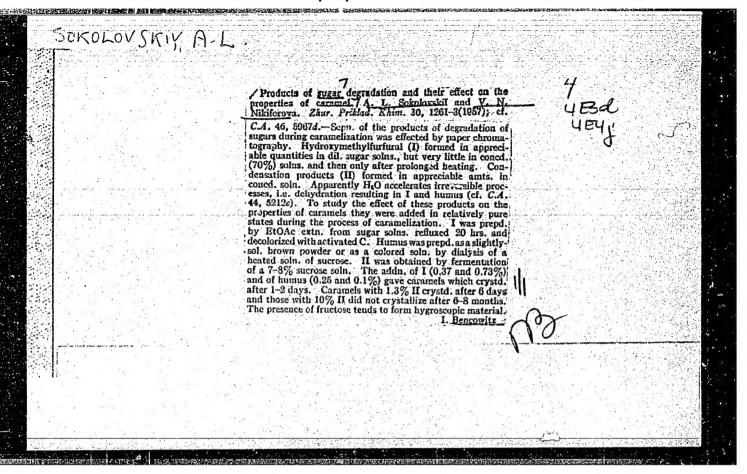
KUZNETSOVA, L.S.; SOKOLOVSKIY, A.L.

Investigating the gelatinization processes of fruit confectionery masses by means of a conic plastometer [with summary in English].

Koll. zhur. 19 no.6:668-672 N-D '57. (MIRA 11:1)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti.

(Gelation) (Confectionery) (Plasticity)



SOV/137-58-11-23042

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 11, p 173 (USSR)

AUTHORS: Avdeyeva, A. V., Sokolovskiy, A. L., Tsyganova, P. A., Begunova,

T.N.

T!TLE: Investigation of Corrosion Resistance of Metals in Aggressive Media

of Caramel Production (Issledovaniye korroziynoy stoykosti metallov v agressivnykh sredakh karamel'nogo proizvodstva)

PERIODICAL: Khlebopek. i konditersk. prom-st¹, 1958, Nr 2, pp 14-15

ABSTRACT: A study was made of the corrosion of Zh-17-T and Ya l T steels,

Al, Cu, and St3 steel in a caramel mass, caramel filling (I part apple puree + I part sugar) and in boiled apple, apricot, and damson-plum purees. Zh-17-T and Ya-1-T steels are resistant in all three media, Al is resistant in the caramel medium, Cu in the caramel filling and in the boiled purees. The addition of 1% citric and 1% lactic acids to the caramel mass and filling does not increase corrosion. The addition into the boiled puree of 2% [a line must have been skipped in the Russian original. Trans. Note].....Cu. Upon the addition of 2% trioxyglutaric acid to the apricot puree all metals

Card 1/2 are corroded. Tests under shop conditions showed a good resistance

SOV/137-58-11-23042

Investigation of Corrosion Resistance of Metals in Aggressive Media (cont.)

of Zh-17-T and Ya-1-T steels in the filling vacuum apparatus. Only Ya-1-T steel is resistant in the storage tank for puree treated with SO_2 , and it can also be recommended for the manufacture of the condenser of the water-jet air pump where SO_2 of various concentrations may always be present.

T. A.

Card 2/2